

# IMAP QUOTA extension

draft-cridland-imap-quota-00

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November 21, 2002

# Description

- Quotas can be used to restrict clients for administrative reasons, but the QUOTA extension can also be used to indicate system limits and current usage levels to clients.
- Based on RFC 2087 by John G. Myers and tries to be backward compatible where possible.

# Changes from RFC 2087

- Defines a registry of resources (existing **STORAGE**, **MESSAGES** and a new one: **MAILBOXES**).
- Defines a registry of mappings and new mappings.
- List all resources that can be set on a quota root: **SUPPORTEDQUOTARES** response on GETQUOTA in addition to **QUOTA=RES-** CAPABILITY responses.

# Changes from RFC 2087 (cont.)

- Adds an untagged **QUOTAMAP** response that describes a relationship between the quota root and the mailbox (mapping).
- Adds **LISTQUOTA** command that for a given quota root returns **QUOTAMAP** responses for all mailboxes accessible to the user that are governed by the quota root.
- Adds **DELQUOTA** command: The resource limit associated with the resource name is removed (or reset to the underlying system limit), without affecting other limits.

# Changes from RFC 2087 (cont.)

- Adds **DELETED-MESSAGES** and **DELETED-STORAGE STATUS** data items.
- Minor clarifications

# Open Issues

- Add **OVERQUOTA** NO response code
- Define server behavior when the current usage is bigger than the limit provided in **SETQUOTA** (Another response code?)
- Add **GETUSAGE** command?
- Add **QUOTARESINFO** command that returns human readable text, measurement units, etc.?
- Minor syntactical issues with **SUPPORTEDQUOTARES** untagged response (missing response, empty list of resources)

# Open Issues (cont.)

- **SETQUOTA/DELQUOTA**: Should we be sending untagged QUOTA responses for all side effect changes?
- Specify that a quota root name must uniquely identify a mapping [if any] - namespaces collision.
- **USER** mapping - currently works with the logged in user only. Is it sufficient?
- Interaction with ACL and ACL2